

Title (en)

A CUTTING HEAD FOR A DEVICE FOR CUTTING HAIR

Title (de)

SCHNEIDEKOPF FÜR EINE VORRICHTUNG ZUM SCHNEIDEN VON HAAREN

Title (fr)

TÊTE COUPANTE POUR UN DISPOSITIF POUR COUPER LES CHEVEUX

Publication

EP 2943139 B1 20170802 (EN)

Application

EP 13830063 A 20131227

Priority

- US 201361750864 P 20130110
- IB 2013061355 W 20131227

Abstract (en)

[origin: WO2014108783A1] The present application relates to a cutting head for a device for cutting hair. The cutting head has a laser generator (2) and an optical system (3). The optical system is configured to focus a laser beam (4) generated by the laser generator and direct the laser beam along an optical axis (16) across a cutting zone (8) in the cutting head. The laser generator and optical system are configured such that, in a focus spot (15) of the laser beam, a dimension of the focus spot, a power density of the laser beam and the numerical aperture of the laser beam are such that, when a hair is received in the cutting zone, the power output of the laser generator is minimised whilst ensuring that, for a predetermined exposure time, the hair received in the cutting zone is cut by optical absorption. The present application also relates to a device for cutting hair and a method of controlling a cutting head for a device for cutting hair.

IPC 8 full level

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CPC (source: EP RU US)

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